

DT07 Rec'd PCT/PTO 0 3 MAR 2005

00005.001252

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

NAOTO OSAKADA, ET AL.

Application No.: 10/519,197

Filed: December 23, 2004

For: PHOSPHODIESTERASE
INHIBITOR

)
: Examiner: Not Yet Assigned

)
: Group Art Unit: Not Yet Assigned

)
: March 2, 2005

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents are also enclosed.

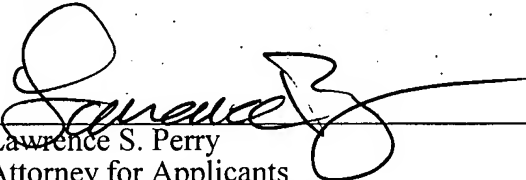
Documents A, B, I, N, O, T-Y and AC-AJ were cited in the International Search Report, of record. The concise explanation of their relevance may be found therein. The remaining references are all discussed in Applicants' specification. Additionally, English-language abstracts of any non-English documents are enclosed.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

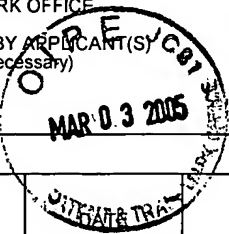
Applicants' undersigned attorney may be reached in our New York office by telephone at (212) 218-2100. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

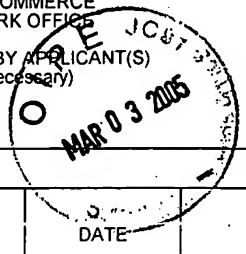

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New York, New York 10112-3800
Facsimile: (212) 218-2200

LSP\ac

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 00005.001252		APPLICATION NO. 10/519,197	
				APPLICANT Naoto Osakada, et al.			
				FILING DATE December 23, 2004			GROUP Not Yet Assigned
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,780,634	7/98	Inoue, et al.	546	173	
	B	2003/0018047	1/03	Lebel, et al.	514	317	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	C	0 380 038	6/95	EP			
	D	0 601 191	6/94	EP			
	E	WO 01/24785	4/01	PCT			
	F	0 339 485	11/89	EP			
	G	WO 91/19498	12/91	PCT			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	H	Ren, et al., "Dihydroorotate Dehydrogenase Inhibitors: Quantitative Structure-activity Relationship Analysis", <i>Pharmaceutical Research</i> , Vol. 15, No. 2 (1998), pages 286-295					
	I	Chen, et al., "Structure-Activity Relationship of Quinoline Carboxylic Acids", <i>Biochemical Pharmacology</i> , Vol. 40, No. 4 (1990), pages 709-714					
	J	Jöckel, et al., "Structural and Functional Comparison of Agents Interfering with Dihydroorotate, Succinate and NADH Oxidation of Rat Liver Mitochondria", <i>Biochemical Pharmacology</i> , Vol. 56 (1998), pages 1053-1060					
	K	Batt, et al., "Immunosuppressive Structure-Activity Relationships of Brequinar and Related Cinchoninic acid Derivatives", <i>Bioorganic & Medicinal Chemistry Letters</i> , Vol. 5, No. 14 (1995), pages 1549-1554					
	L	Sloboda, et al., "Antiinflammatory and Antiarthritic Properties of a Substituted Quinoline Carboxylic Acid: CL 306,293", <i>The Journal of Rheumatology</i> , Vol. 18, No. 6 (1991), pages 855-860					
	M	Scott, et al., "Studies of the effect of CL 306,293, a substituted quinoline carboxylic acid, on the clinical disease induced in mice with LP-BM5 virus", <i>Antiviral Research</i> , Vol. 20 (1993), pages 71-81					
	N	Bečić, et al., "Preliminary definition of analgesic effect of newly synthesized derivatives of pyrazolin and quinoline carbonic acids", <i>Periodicum Biologorum</i> , Vol. 103, No. 4 (2001), pages 321-325					
	O	Bała, et al., "Synthesis and Preliminary Pharmacological Screening of 4-Methylamino-2-phenylquinoline-3-carboxyamides", <i>Pol. J. Pharmacol. Pharm.</i> , Vol. 38, No. 1 (1986), pages 115-124					
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				ATTY DOCKET NO. 00005.001252		APPLICATION NO. 10/519,197	
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				FILING DATE December 23, 2004			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	P	4,680,299	7/87	Hesson	514	311	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	Q	WO 97/42953	11/97	PCT			
	R	0 362 578	4/90	EP			
	S	0 339 484	11/89	EP			
	T	0 133 244	2/85	EP			
	U	0 362 578	4/90	EP			
	V	WO 02/36568	5/02	PCT			
	W	WO 00/31037	6/00	PCT			
	X	WO 02/44165	6/02	PCT			
	Y	WO 02/38547	5/02	PCT			
	Z	10-231289	1998	Japan			Abstract
	AA	08-003144	1996	Japan			Abstract
	AB	60-042367	1985	Japan			Abstract
	AC	WO 97/19927	6/97	WO			
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AD	Chujo, et al., "Synthetic Study on Novel Immunosuppressant KF20444", <i>Bioorganic & Medicinal Chemistry</i> , Vol. 9, No. 12 (2001), pages 3273-3286					
	AE	Morreale, et al., "Arylpiperazines with Serotonin-3 Antagonist Activity: A Comparative Molecular Field Analysis", <i>J. Med. Chem.</i> , Vol. 41, No. 12 (1998), pages 2029-2039					
	AF	Fujishige, et al., "Cloning and Characterization of a Novel Human Phosphodiesterase that Hydrolyzes Both cAMP and cGMP (PDE10A), <i>The Journal of Biological Chemistry</i> , Vol. 274, No. 26 (1999), pages 18438-18445					
EXAMINER				DATE CONSIDERED			

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